5. Using the Retrained Model

The retraining script writes data to the following two files:

- `tf_files/retrained_graph.pb` , which contains a version of the selected network with a final layer retrained on your categories.
- `tf_files/retrained_labels.txt` , which is a text file containing labels.

Classifying an image

The codelab repo also contains a copy of tensorflow's label_image.py example, which you can use to test your network. Take a minute to read the help for this script:

```
python -m  scripts.label_image -h
```

As you can see, this Python program takes quite a few arguments. The defaults are all set for this project, but if you used a MobileNet architecture with a different image size you will need to set the `--input_size` argument using the variable you created earlier: --input_size=${IMAGE_SIZE}.

Now, let's run the script on this image of a daisy:

`flower_photos/daisy/21652746_cc379e0eea_m.jpg`

Image CC-BY by Retinafunk

```
on -m scripts.label_image \
--graph=tf_files/retrained_graph.pb  \
```